

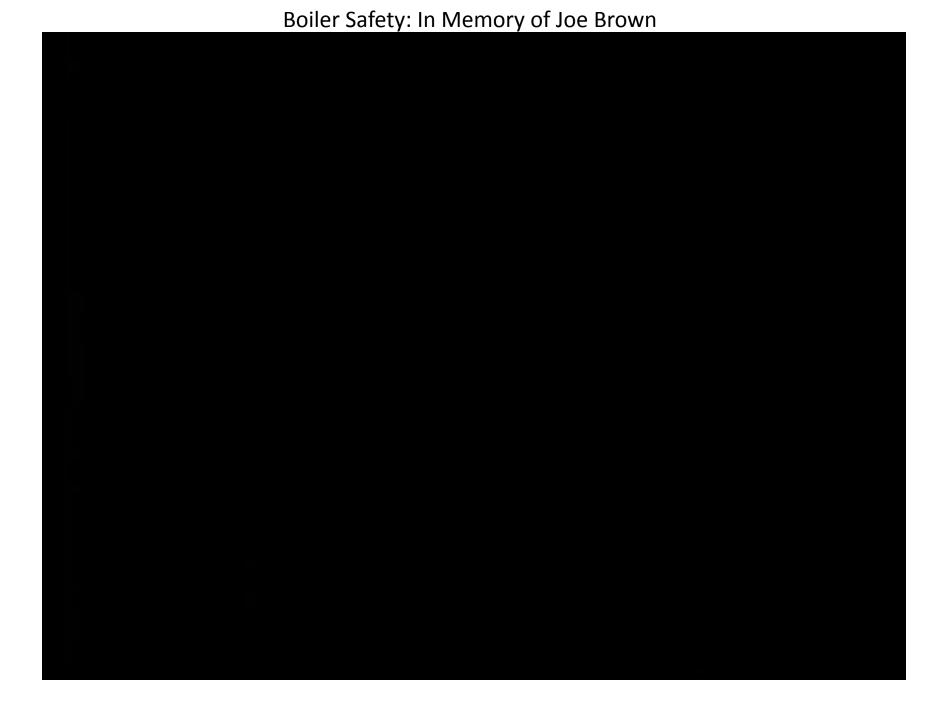
Safety and Controls for Steam Boilers







STEVE RUCKER

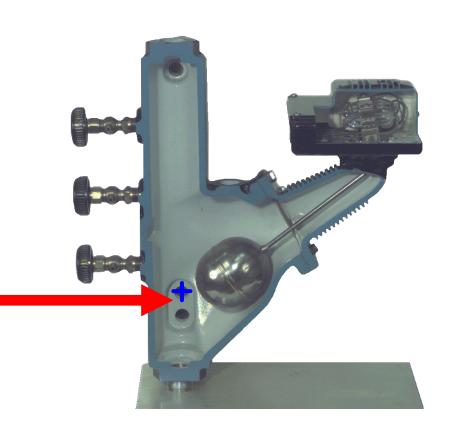


Water Columns?

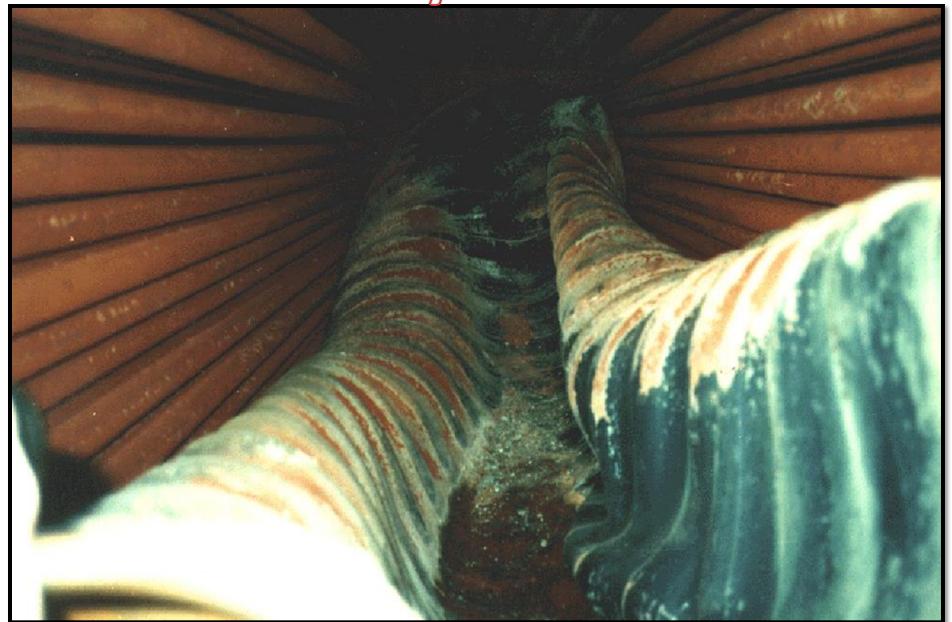
• This is the most critical controls on the boiler

McDonnell & Miller

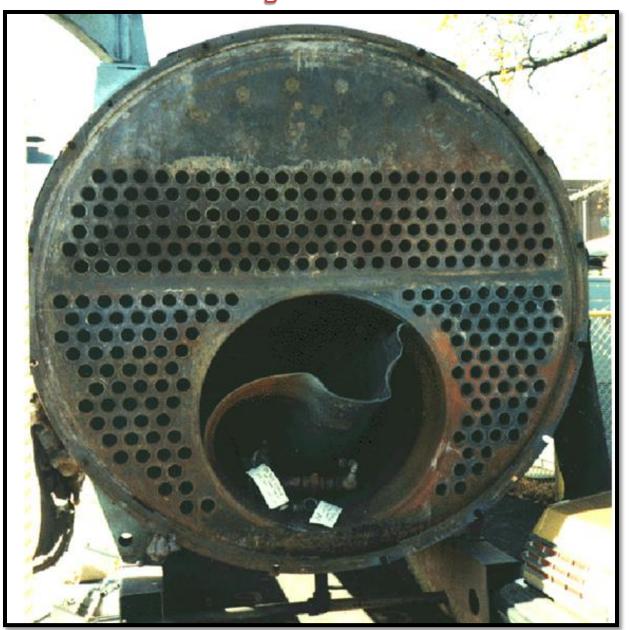
- Casting for a prism sight glass
 - Note the lower tap out



Caused By Low-Water

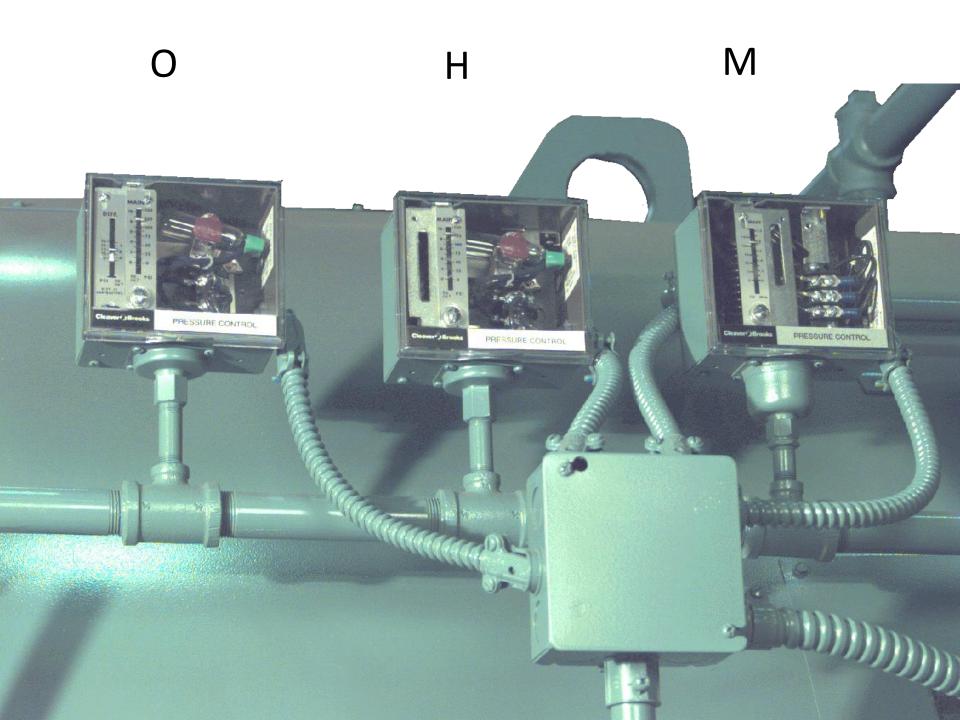


Caused by Low-Water

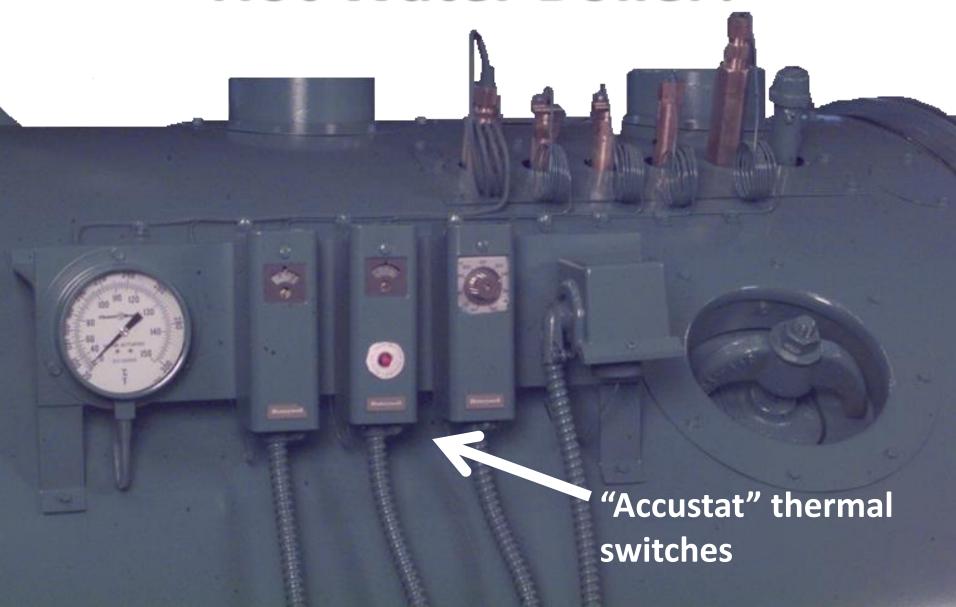


Caused by Low-Water





Hot Water Boiler?













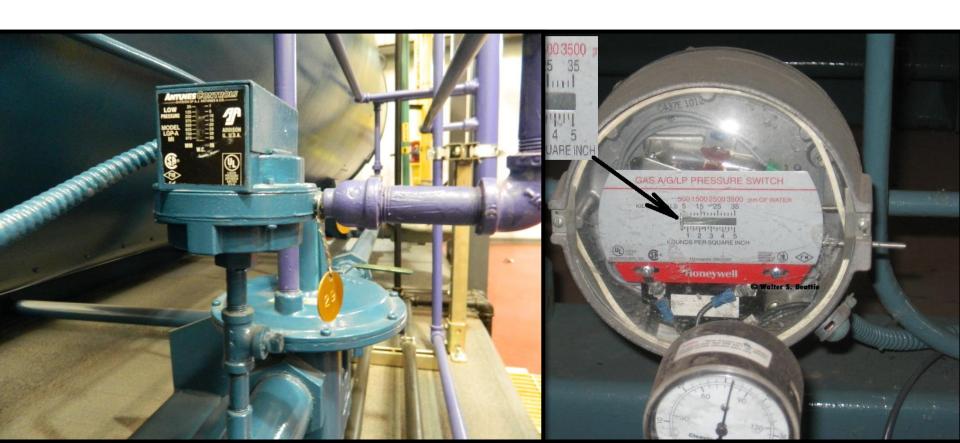
Flame Sensors and Scanners?

Relief Valves?

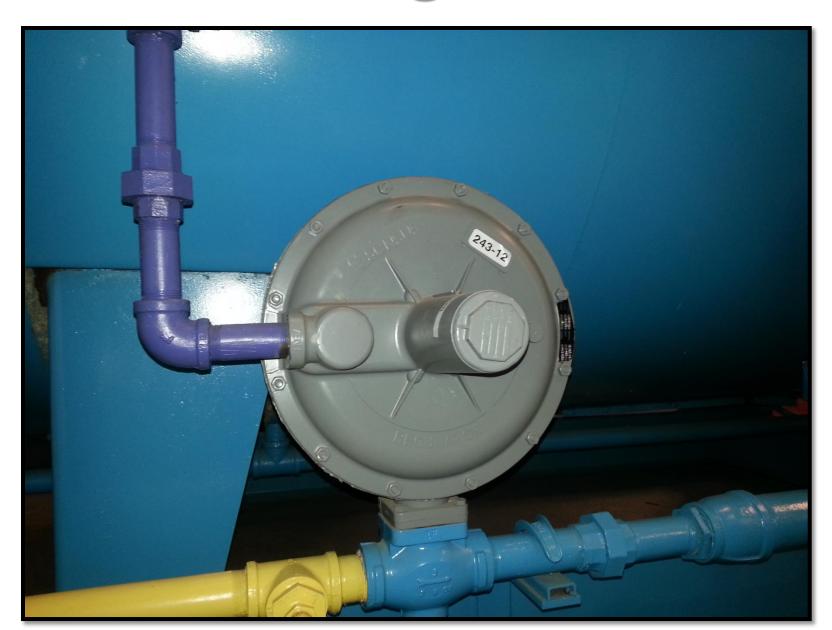




Gas Pressure Switches?



Gas Regulator



Duel Block and Bleed?

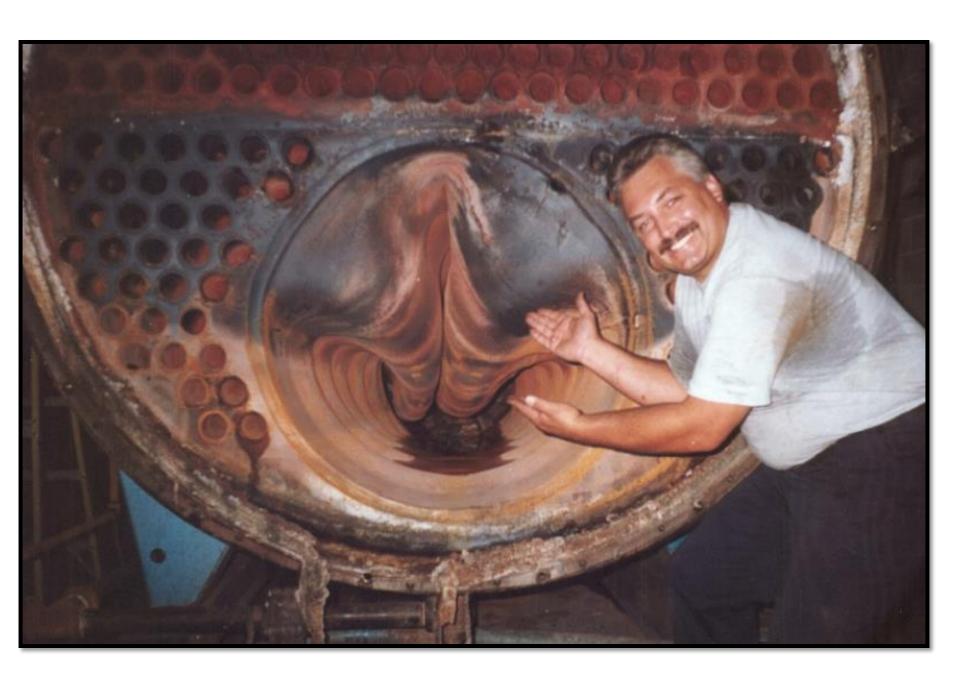


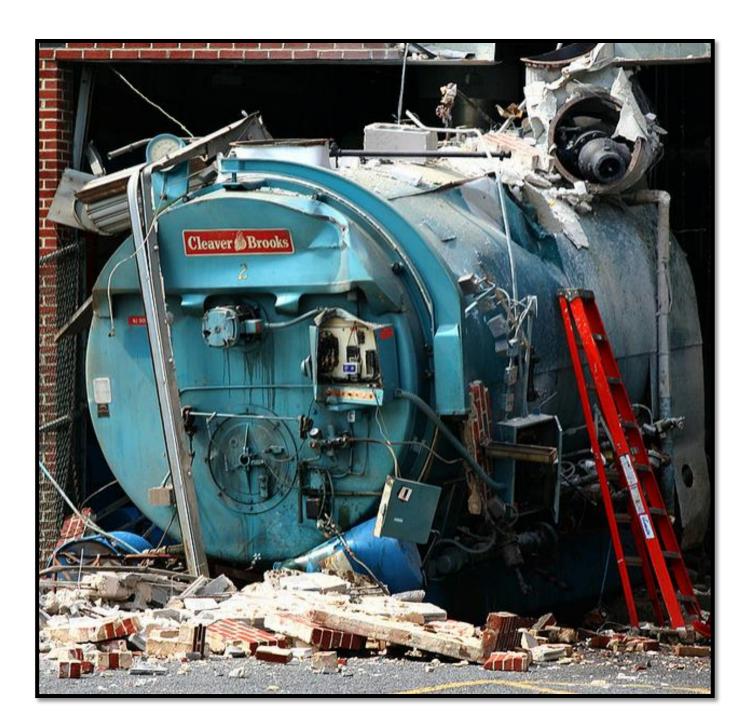
























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